

ABSTRACT OF THE DISCLOSURE

5 A battery charger has a particularly advantageous application in the field of mobile radio terminal batteries. The charger generates an output voltage and an output current for charging a battery and includes a first regulator, a second regulator for regulating the output voltage to a predetermined value, a detector for detecting the output current, and an activation system which assumes at least two states. In a first state it activates the first regulator when the detector detects a negative or positive output current, and in a second state it activates the second regulator when  
10 the detector means detect a substantially zero output current.